Docket No. 434-281

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

ROBERT R. VALLANCE et al.

Serial No.: 10/659,406

Group Art Unit: 3682

Filed: September 10, 2003

For: LINEAR ACTUATOR USING SHAPE MEMORY WIRE WITH CONTROLLER

<u>INFORMATION DISCLOSURE STATEMENT</u>

Assistant Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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Sir:

Applicant discloses to the Examiner under 37 CFR 1.56, and 37 CFR 1.97-1.98, as revised (1135 OG 13) and effective March 16, 1992, the information listed on the attached form PTO - 1449. This information may be found to be material to this invention under the current applicable patent law and as interpreted by the US PTO Rules, as cited above. Review and consideration of the listed references/information during substantive examination of this application is respectfully requested.

Applicant specifically emphasizes that this statement, and/or the act of providing copies of these references, is not to be construed as an admission that all or any of the references are prior art to the specific invention disclosed and claimed.

Also, nothing in this statement is to be construed as a representation that this is the only material information to be found, or the best. It, however, is the only information known to the applicant at this time that is believed to meet the "materiality standard" of the law. If additional qualifying references or other information is discovered in the future, it will be submitted promptly to fulfill applicant's continuing duty of disclosure under 37 CFR 1.99.

Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents,

P.O. Box 1450, Alexandria, VA 22313-1450, on <u>January</u> 28,2004

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PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Complete if Known Substitute for form 1449B/PTO 10/659,406 **Application Number** INFORMATION DISCLOSURE 09/10/2003 Filing Date First Named Inventor Robert R. Vallance et al. STATEMENT BY APPLICANT **Group Art Unit** 3682 (use as many sheets as necessary) **Examiner Name** Attorney Docket Number 434-281 of Sheet

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²			
	DINALLOY, INC. Technical Characteristics of FLEXINOL actuator wires.					
	2	C. LIANG et al. Design of Shape Memory Alloy Actuators. Journal of Mechanical Design. June 1992. Vol 114. pp 223-230.				
	3	C. LIANG et al. One-Dimensional Thermomechanical Constitutive Relations for Shape Memory Materials. April, 1990. J. of Intell. Mater. Syst. and Struct.				
		Vol. 1, pp. 207-234.				
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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